

Data File : VU033340.D
Acq On : 19 Jul 2019 16:25
Operator : JC/SP
Sample : K3920-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A42M6

Quant Time: Jul 19 22:58:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 22:54:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	315260	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	306956	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	146335	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	115325	48.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.64%
7) Chloroethane-d5	1.67	69	101647	49.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.72%
11) 1,1-Dichloroethene-d2	2.26	63	177986	41.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.24%
21) 2-Butanone-d5	4.15	46	171993	113.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.74%
24) Chloroform-d	4.62	84	194794	48.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.42%
26) 1,2-Dichloroethane-d4	5.29	65	127313	49.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.26%
32) Benzene-d6	5.32	84	397578	52.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.60%
36) 1,2-Dichloropropane-d6	6.31	67	128360	53.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.42%
41) Toluene-d8	7.55	98	361019	50.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.68%
43) trans-1,3-Dichloropropene-	7.83	79	59636	50.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.84%
47) 2-Hexanone-d5	8.29	63	114376	105.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.18%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	183540	50.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.54%
64) 1,2-Dichlorobenzene-d4	11.85	152	139650	53.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.02%

Target Compounds

						Qvalue
5) Vinyl chloride	1.40	62	31011	8.717	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.25	101	1525	0.709	ug/L #	21
12) 1,1-Dichloroethene	2.27	96	34926	16.598	ug/L #	55
13) Acetone	2.31	43	7798	4.127	ug/L	93
18) Methyl tert-butyl Ether	2.98	73	61434	9.152	ug/L	99
19) 1,1-Dichloroethane	3.42	63	79831	19.096	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	91599	37.340	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	108027	30.166	ug/L	99
31) Carbon tetrachloride	4.89	117	14164	4.520	ug/L	98
33) Benzene	5.37	78	11676	1.304	ug/L	100
34) Trichloroethene	6.16	95	62431	26.667	ug/L	98
39) cis-1,3-Dichloropropene	7.21	75	3866	1.039	ug/L #	74
44) trans-1,3-Dichloropropene	7.83	75	2740	0.816	ug/L	94
48) 2-Hexanone	8.29	43	13991	5.273	ug/L #	72
51) Chlorobenzene	9.10	112	10486	1.665	ug/L	94
59) 1,2,3-Trichloropropane	11.47	75	17572	5.560	ug/L	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071919\
Quantitation Report (Not Reviewed)

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Quant Title : VOC Analysis
QLast Update : Fri Jul 19 22:54:17 2019
Response via : Initial Calibration

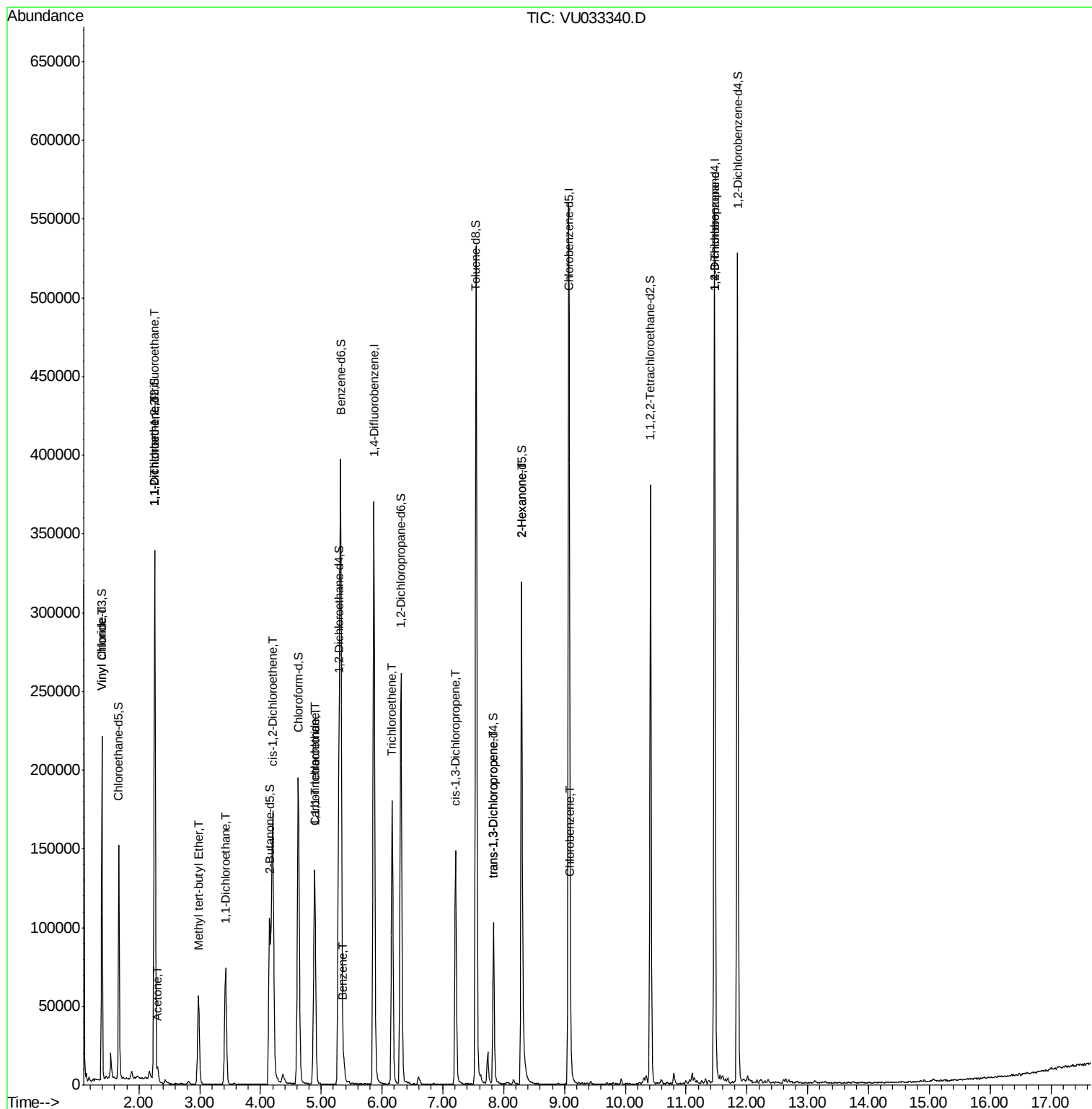
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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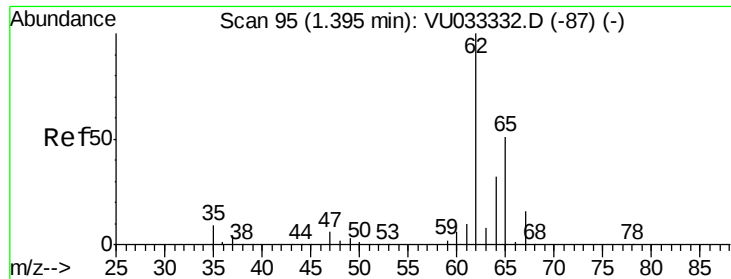
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 8.717 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033340.D

Acq: 19 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

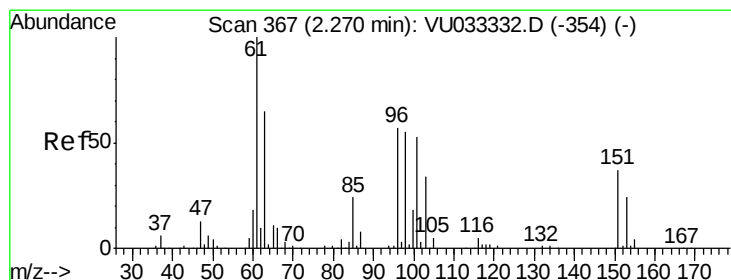
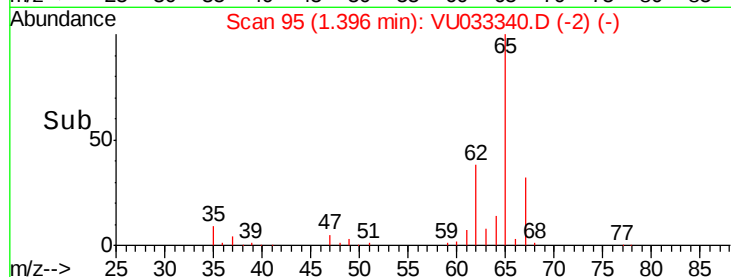
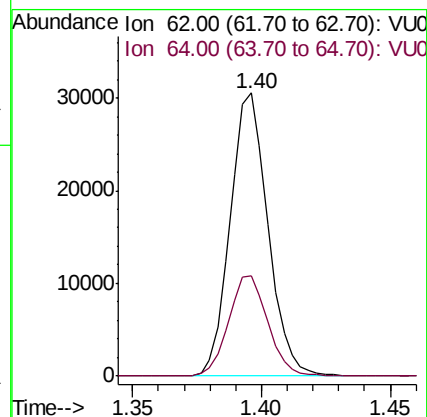
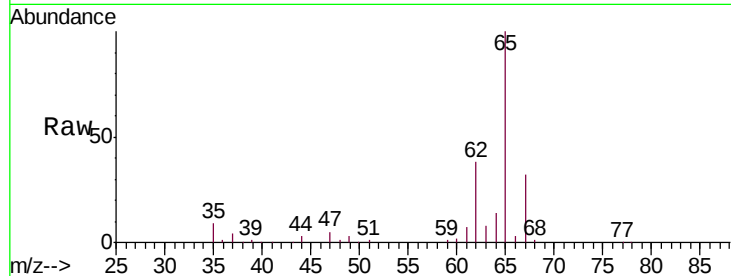
A42M6

Tgt Ion: 62 Resp: 31011

Ion Ratio Lower Upper

62 100

64 35.6 22.7 42.3



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.709 ug/L

RT: 2.25 min Scan# 361

Delta R.T. -0.02 min

Lab File: VU033340.D

Acq: 19 Jul 2019 16:25

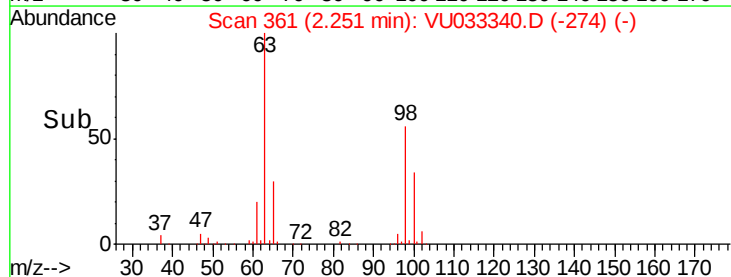
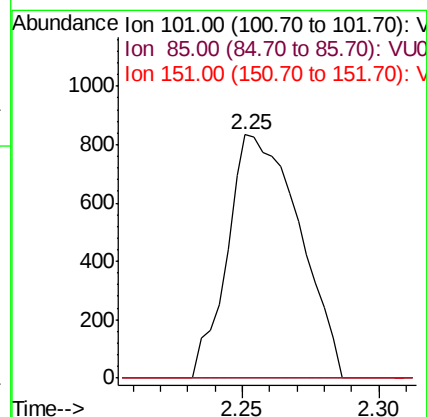
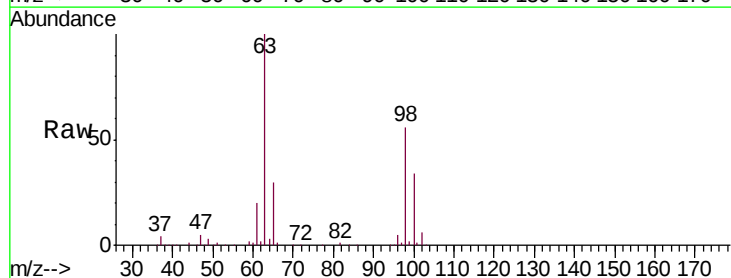
Tgt Ion: 101 Resp: 1525

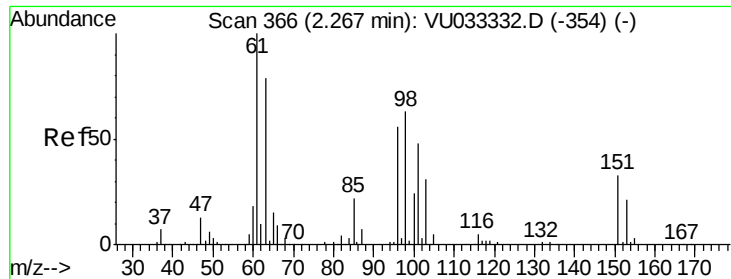
Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

151 0.0 56.7 85.1#

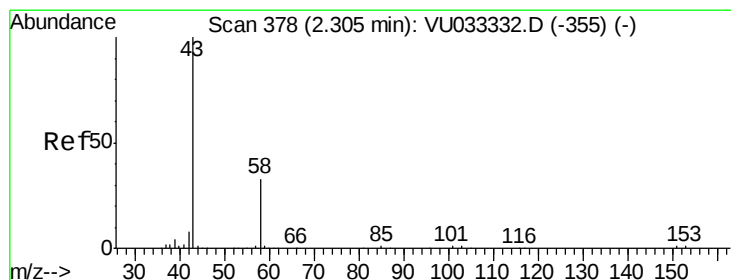
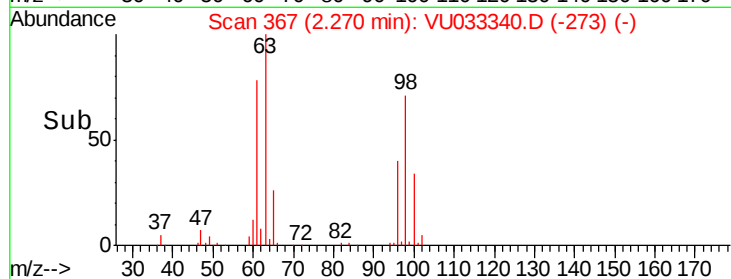
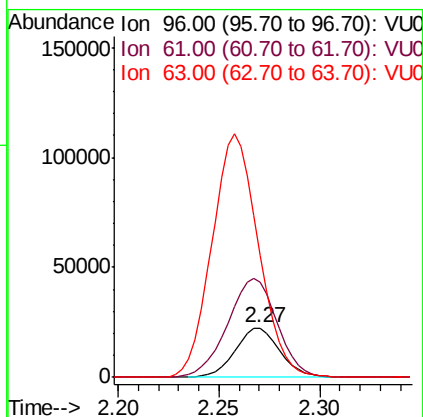
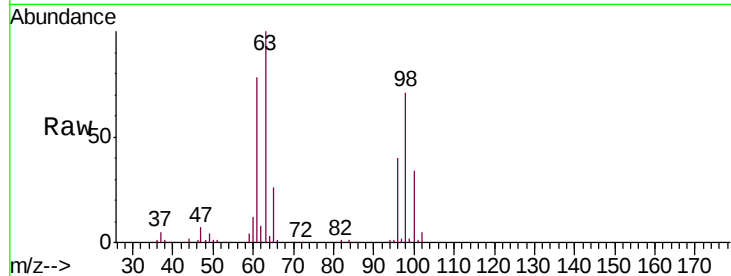




#12
 1,1-Dichloroethene
 Concen: 16.598 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU033340.D
 Acq: 19 Jul 2019 16:25

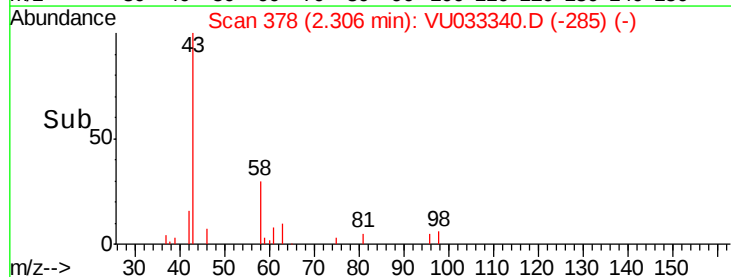
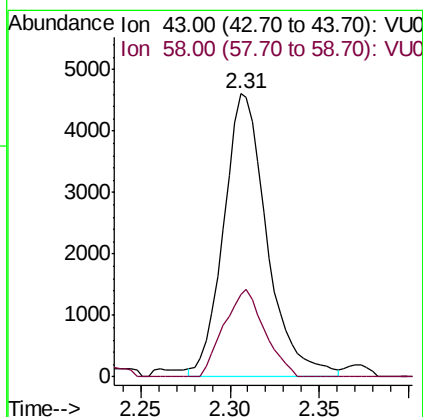
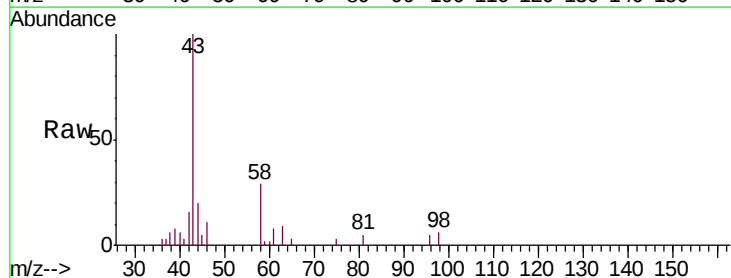
Instrument :
 MSVOA_U
 ClientSampleId :
 A42M6

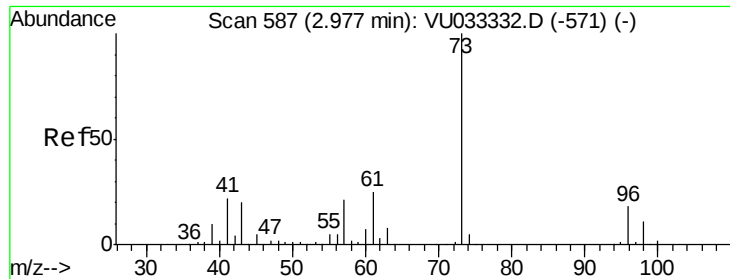
Tgt Ion: 96 Resp: 34926
 Ion Ratio Lower Upper
 96 100
 61 194.2 126.1 234.1
 63 249.1 96.8 179.8#



#13
 Acetone
 Concen: 4.127 ug/L
 RT: 2.31 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VU033340.D
 Acq: 19 Jul 2019 16:25

Tgt Ion: 43 Resp: 7798
 Ion Ratio Lower Upper
 43 100
 58 28.8 0.0 65.4

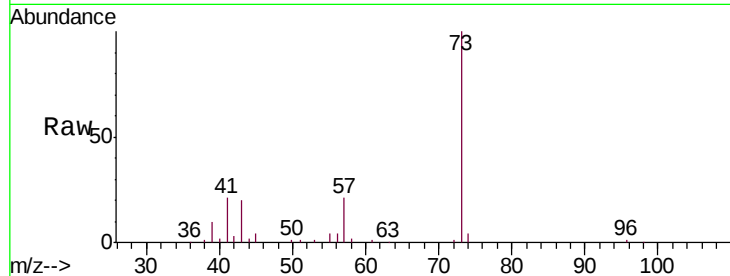




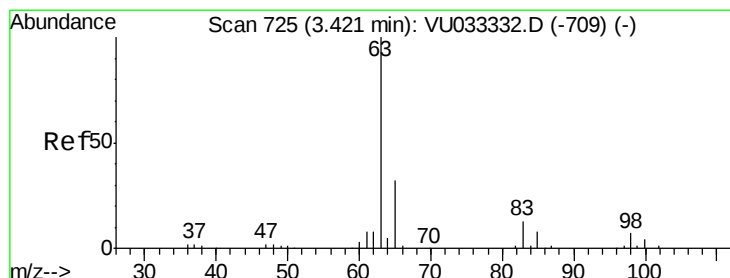
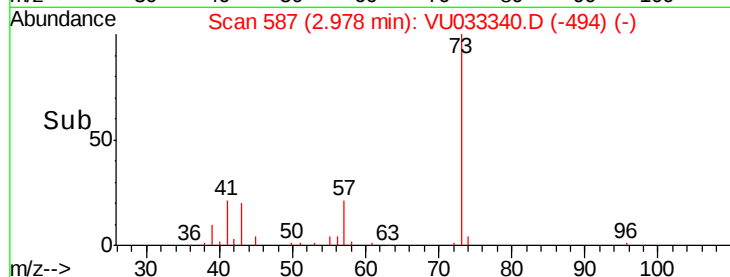
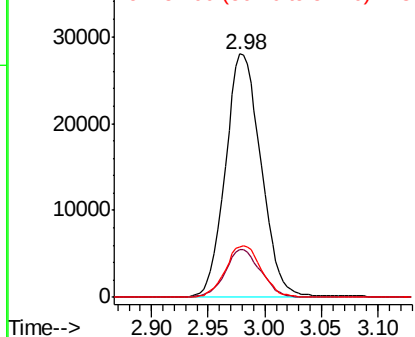
#18
Methyl tert-butyl Ether
Concen: 9.152 ug/L
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU033340.D
Acq: 19 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
A42M6

Tgt Ion: 73 Resp: 61434
Ion Ratio Lower Upper
73 100
43 19.5 15.7 23.5
57 21.3 17.8 26.6

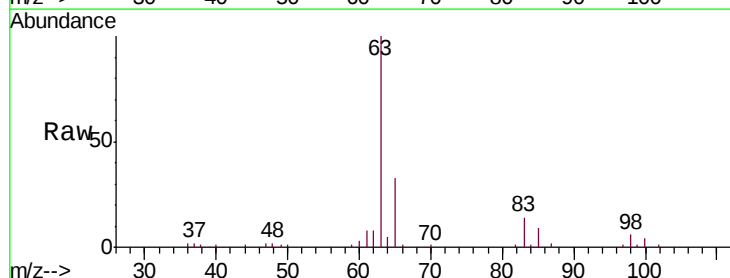


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

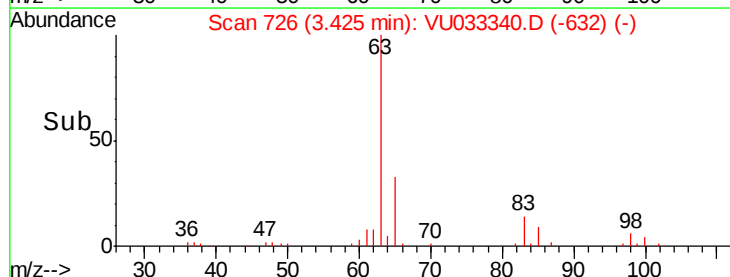
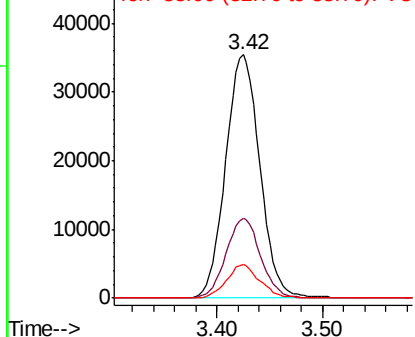


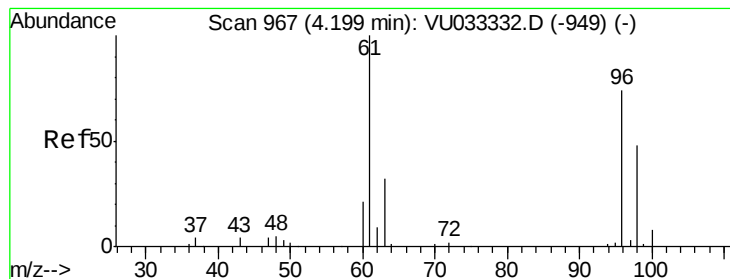
#19
1,1-Dichloroethane
Concen: 19.096 ug/L
RT: 3.42 min Scan# 726
Delta R.T. 0.00 min
Lab File: VU033340.D
Acq: 19 Jul 2019 16:25

Tgt Ion: 63 Resp: 79831
Ion Ratio Lower Upper
63 100
65 32.9 22.3 41.5
83 13.6 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0



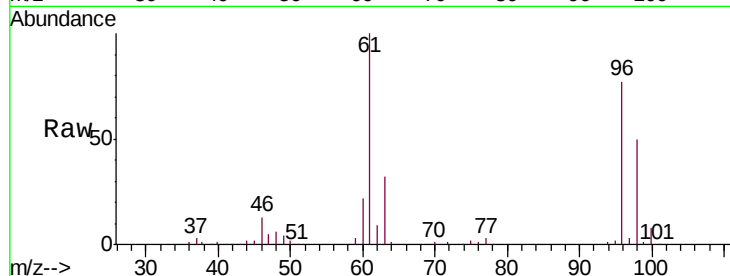


#20

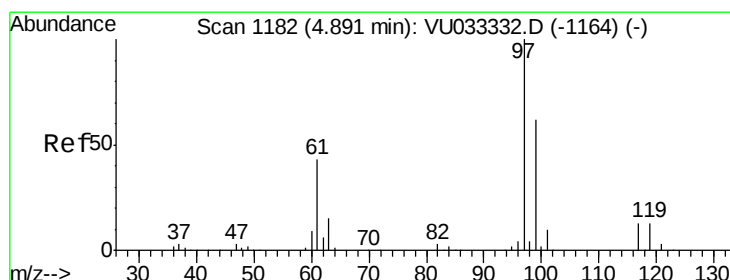
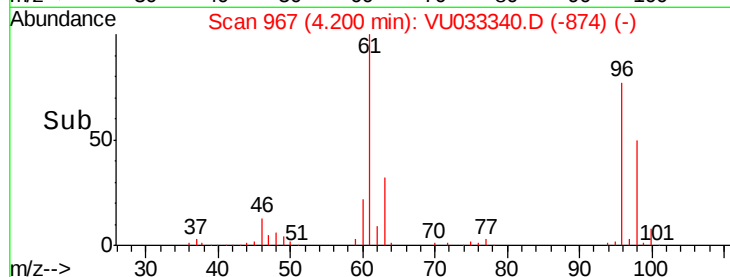
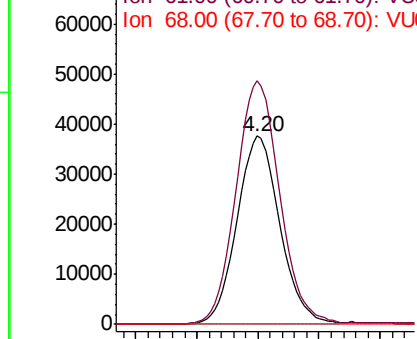
cis-1,2-Dichloroethene
 Concen: 37.340 ug/L
 RT: 4.20 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU033340.D
 Acq: 19 Jul 2019 16:25

Instrument :
 MSVOA_U
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Tgt Ion: 96 Resp: 91599
 Ion Ratio Lower Upper
 96 100
 61 129.3 91.1 169.1
 68 0.0 0.0 0.0



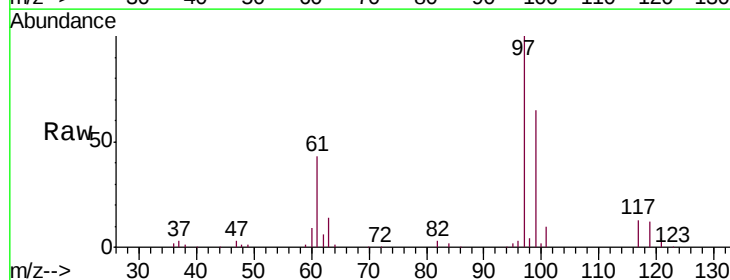
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0



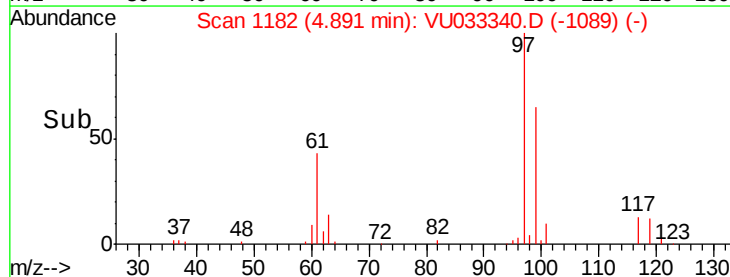
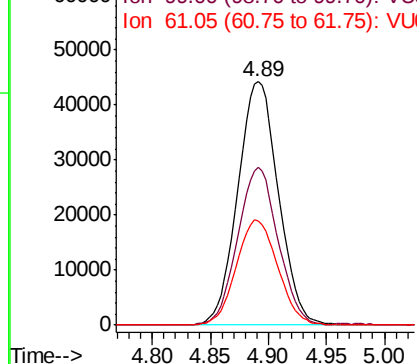
#30

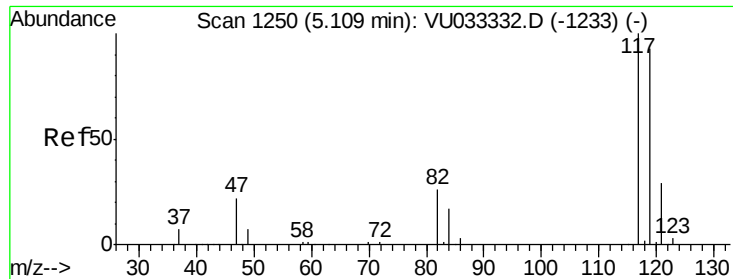
1,1,1-Trichloroethane
 Concen: 30.166 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU033340.D
 Acq: 19 Jul 2019 16:25

Tgt Ion: 97 Resp: 108027
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.5 77.3
 61 43.8 36.4 54.6



Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0





#31

Carbon tetrachloride

Concen: 4.520 ug/L

RT: 4.89 min Scan# 1182

Delta R.T. -0.22 min

Lab File: VU033340.D

Acq: 19 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

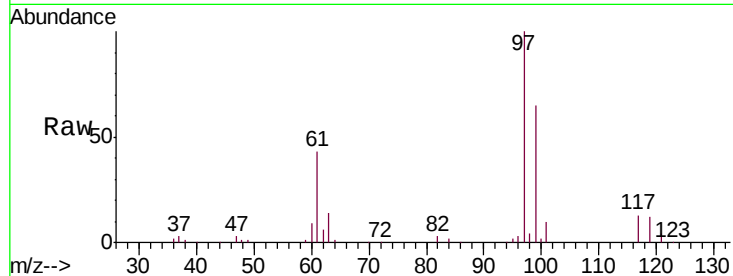
A42M6

Tgt Ion:117 Resp: 14164

Ion Ratio Lower Upper

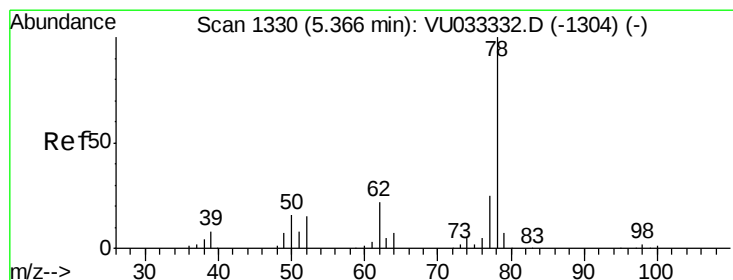
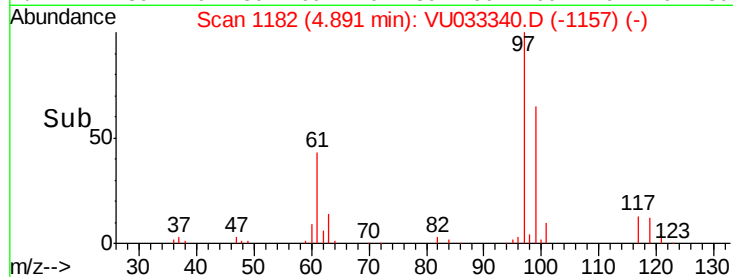
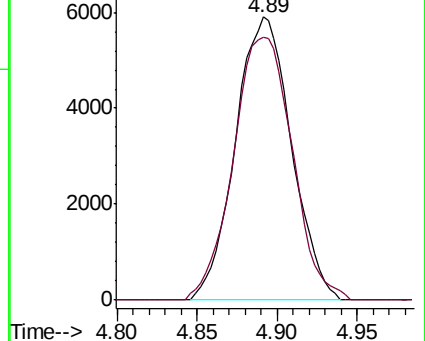
117 100

119 97.9 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 1.304 ug/L

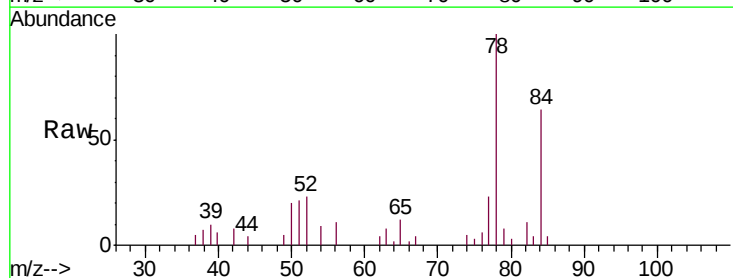
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

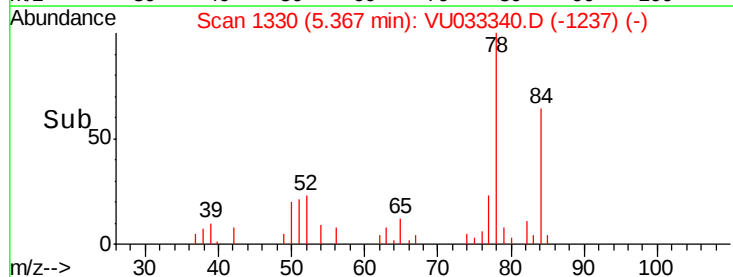
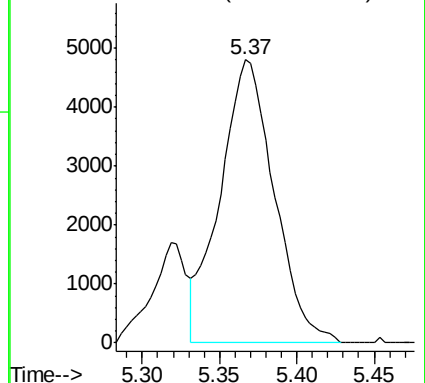
Lab File: VU033340.D

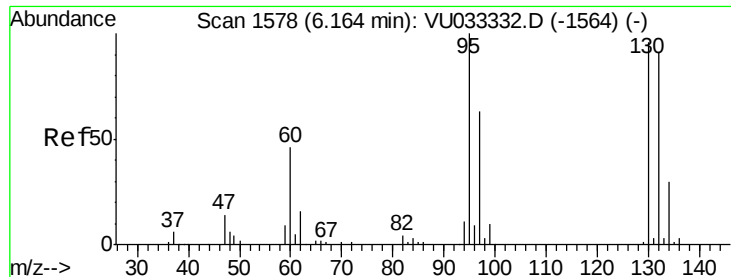
Acq: 19 Jul 2019 16:25

Tgt Ion: 78 Resp: 11676



Abundance Ion 78.00 (77.70 to 78.70): VU0

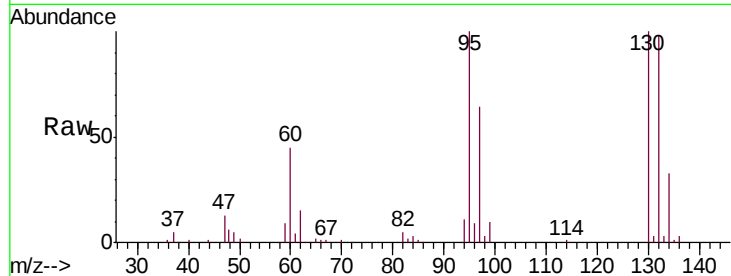




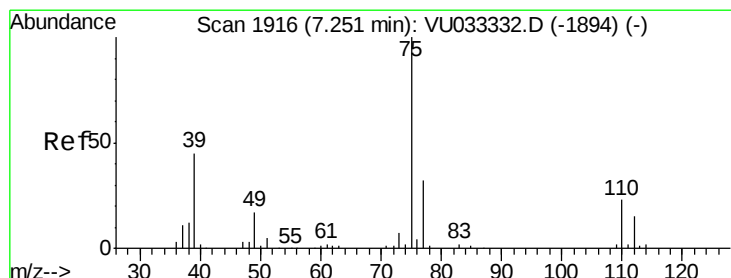
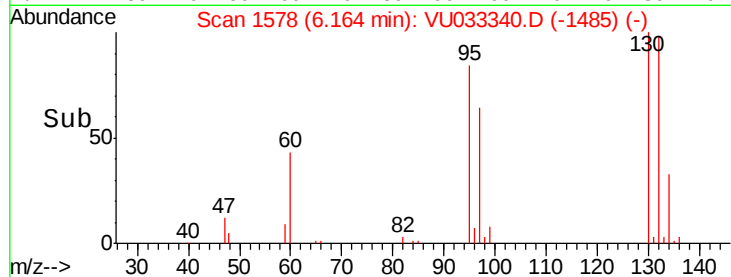
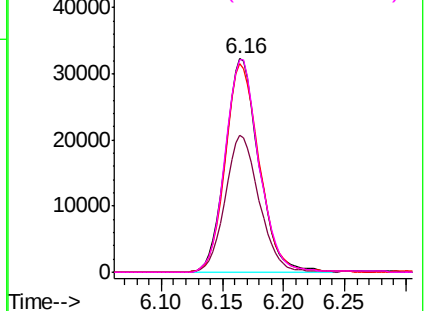
#34
 Trichloroethene
 Concen: 26.667 ug/L
 RT: 6.16 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VU033340.D
 Acq: 19 Jul 2019 16:25

Instrument :
 MSVOA_U
 ClientSampleId :
 A42M6

Tgt Ion: 95 Resp: 62431
 Ion Ratio Lower Upper
 95 100
 97 64.1 43.8 81.4
 132 97.9 65.5 121.6
 130 99.7 69.7 129.5

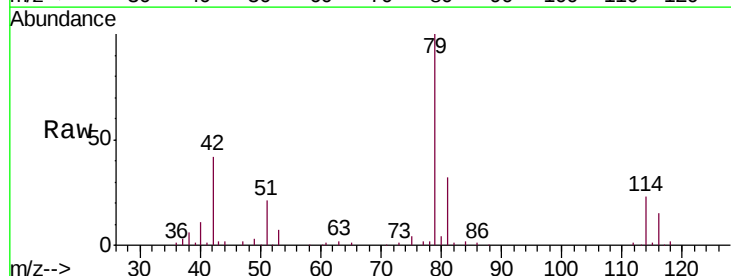


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

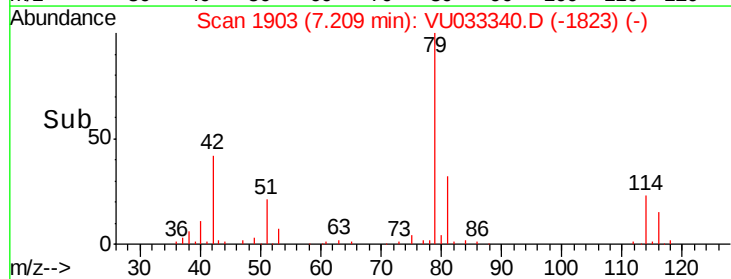
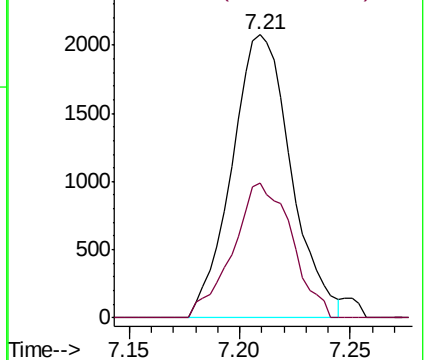


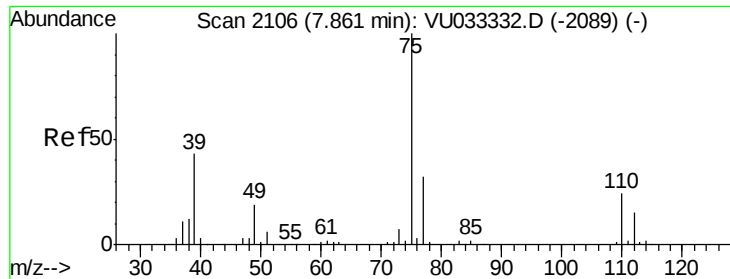
#39
 cis-1,3-Dichloropropene
 Concen: 1.039 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033340.D
 Acq: 19 Jul 2019 16:25

Tgt Ion: 75 Resp: 3866
 Ion Ratio Lower Upper
 75 100
 77 47.6 23.1 42.9#



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.816 ug/L

RT: 7.83 min Scan# 2096

Delta R.T. -0.03 min

Lab File: VU033340.D

Acq: 19 Jul 2019 16:25

Instrument :

MSVOA_U

ClientSampleId :

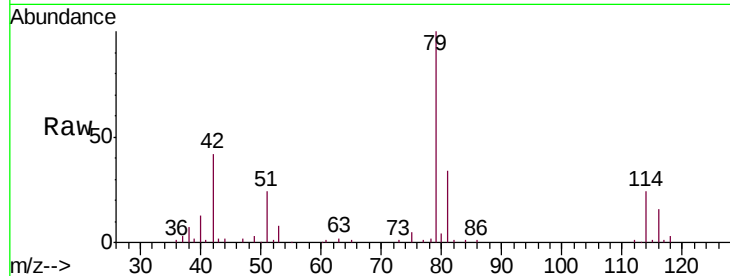
A42M6

Tgt Ion: 75 Resp: 2740

Ion Ratio Lower Upper

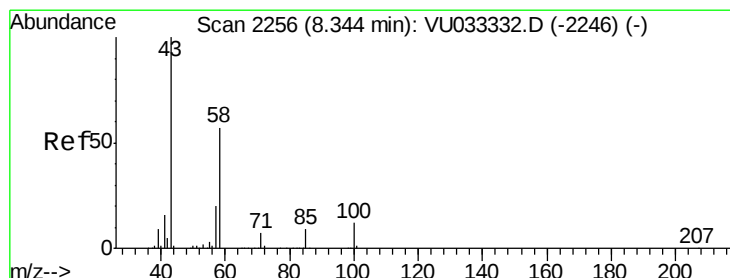
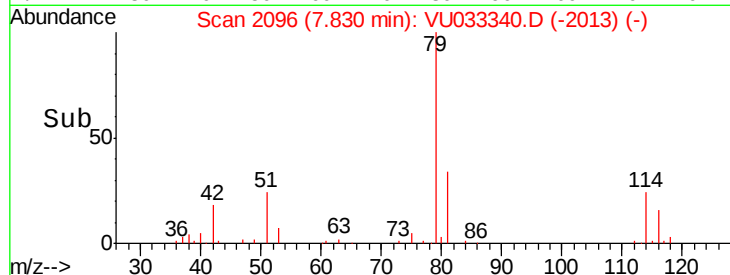
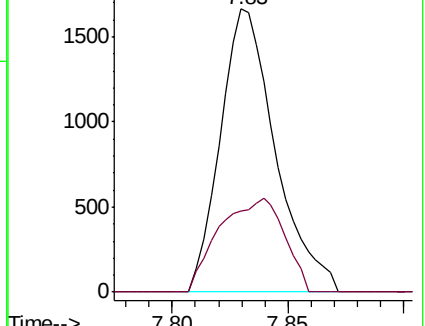
75 100

77 28.8 22.4 41.6



Abundance Ion 75.00 (74.70 to 75.70): VU033332.D (-2089) (-)

Ion 77.00 (76.70 to 77.70): VU033332.D (-2089) (-)



#48

2-Hexanone

Concen: 5.273 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. -0.05 min

Lab File: VU033340.D

Acq: 19 Jul 2019 16:25

Tgt Ion: 43 Resp: 13991

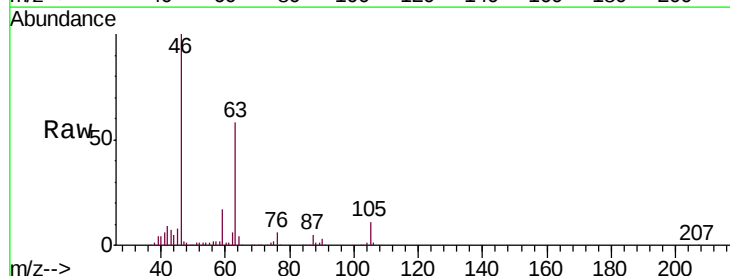
Ion Ratio Lower Upper

43 100

58 32.9 46.1 69.1#

57 24.5 15.8 23.8#

100 0.0 9.4 14.2#

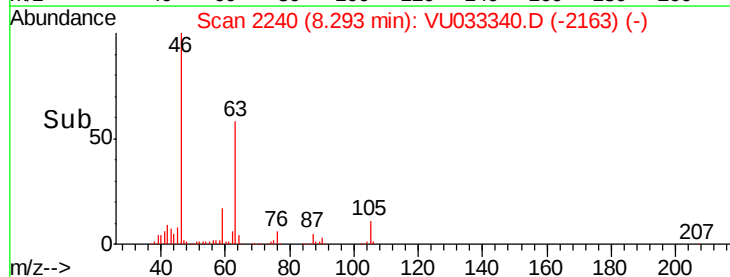
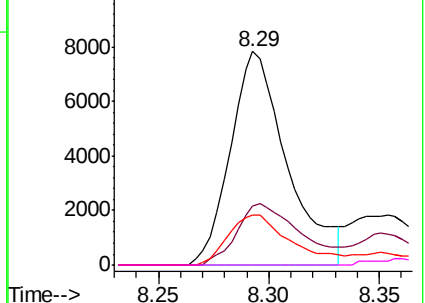


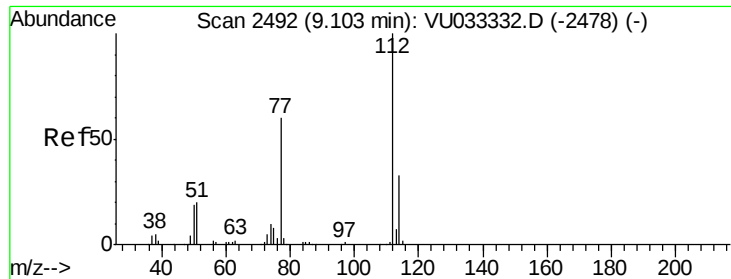
Abundance Ion 43.00 (42.70 to 43.70): VU033332.D (-2246) (-)

Ion 58.00 (57.70 to 58.70): VU033332.D (-2246) (-)

Ion 57.00 (56.70 to 57.70): VU033332.D (-2246) (-)

Ion 100.00 (99.70 to 100.70): VU033332.D (-2246) (-)

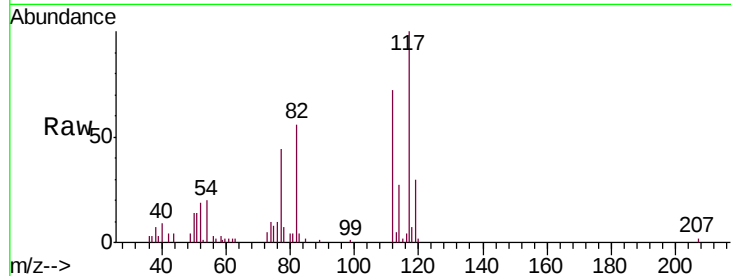




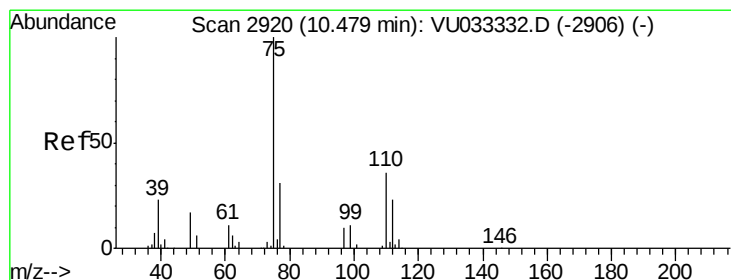
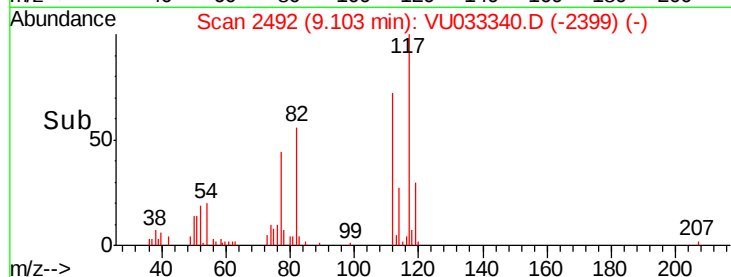
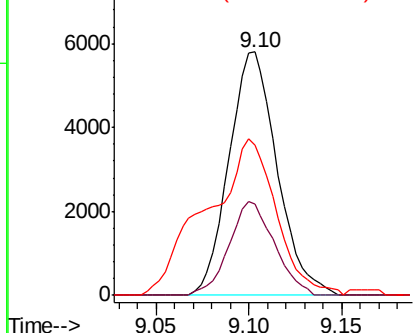
#51
Chlorobenzene
Concen: 1.665 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033340.D
Acq: 19 Jul 2019 16:25

Instrument :
MSVOA_U
ClientSampleId :
A42M6

Tgt Ion	Ratio	Lower	Upper
112	100		
114	37.4	22.3	41.3
77	61.8	47.2	70.8

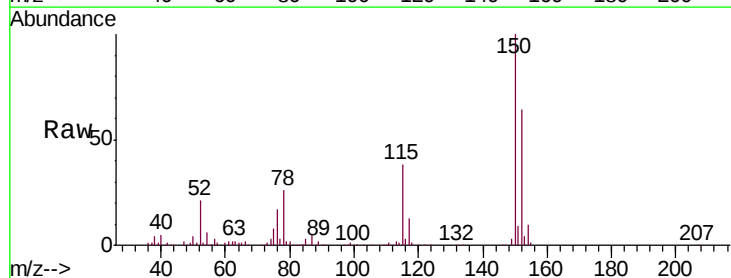


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#59
1,2,3-Trichloropropane
Concen: 5.560 ug/L
RT: 11.47 min Scan# 3227
Delta R.T. 0.99 min
Lab File: VU033340.D
Acq: 19 Jul 2019 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	36.8	26.0	39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

